

The listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 16 (Canceled).

Claim 17 (New): Microparticles stable at room temperature of insulin, optionally in association with excipients selected from the group consisting of saccharides, polysaccharides, aminoacids, phospholipids and polyalcohol, said microparticles:

- being obtained by spray drying an aqueous solution of insulin having an acid pH under the isoelectric point (5.4) of insulin and a concentration of insulin in amounts of from 5 to 100 mg/ml,
 - showing a d90 volume diameter lower than 9 μm ,
 - 80% of them exhibiting an aerodynamic diameter lower than 5 μm ,
 - containing less than 10% by weight of salts,
- wherein said aqueous solution of insulin to be spray dried is prepared in an unbuffered aqueous solution of acetic acid.

Claim 18 (New): Microparticles according to claim 17 having a tapped density lower than 0.2 g/cm³.

Claim 19 (New): Microparticles according to claim 18,
wherein said excipient is mannitol.

Claim 20 (New): Microparticles according to claim 17
containing insulin in amorphous form.

Claim 21 (New): Pharmaceutical compositions suitable to be
inhaled containing the microparticles according to claim 17.

Claim 22 (New): Pharmaceutical compositions suitable to be
inhaled consisting of the microparticles according to claim 17.